

C² 4. (Amended) An isolated nucleic acid which hybridizes to the nucleic acid according to claim 2, wherein said hybridization occurs at a salt concentration of less than 1.0 M Na ion, at pH 7.0-8.3 and at a temperature of at least about 30°C.

C³ 5. (Twice Amended) A composition, comprising the nucleic acid according to claim 2.

C⁴ 15. (Amended) A kit for the detection of a human PTCH2 gene comprising in a container a nucleic acid according to any one of claims 2 or 4.

Please add the following new claims:

--44. (NEW) An isolated nucleic acid consisting of the sequence of SEQ ID NO: 5.--

C⁵ --45. (NEW) An isolated nucleic acid which hybridizes to the nucleic acid of claim 44, wherein said hybridization occurs at a salt concentration of less than 1.0 M Na ion, at pH 7.0-8.3 and at a temperature of at least about 30°C.--

--46. (NEW) An isolated nucleic acid encoding a protein consisting of SEQ ID NO: 1.--

--47. (NEW) An isolated nucleic acid which hybridizes to

Application No.: 09/807,007

CS
the nucleic acid of claim 46, wherein said hybridization occurs at
a salt concentration of less than 1.0 M Na ion, at pH 7.0-8.3 and
at a temperature of at least about 30°C.--

Attached hereto is a marked-up version of the changes made to
the application by this Amendment.